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SEARCH REQUEST FO \Rev. 3/15/2004 This is an experim	RM Scientific and Tecental format Please give suggestion	hnical Information Center -) uns or comments to Jeff Harrison, JEF-4B6	EIC2800
1 \		Priority Application Date	, 272-2311.
Your Name Wile		Examiner #	
AU DOS Pho	ne <u>300</u> -1838		<u> </u>
In what format would you like yo			EMAIL
If submitting more than one se			gre-
The EIC searcher normally will with a searcher for an interactive	contact you before beginnir re search, please notify one	ng a prior art search. If you would of the searchers.	d like to sit
Where have you searched so		1-71-35 A00150 A0	
Circle: USPT D	OWPI EPO Abs	JPO Abs IBM T	DB
Other:			
What relevant art have you for Information Disclosure States	ound so far? Please attachments.	pertinent citations or	· · · · · · · · · · · · · · · · · · ·
What types of references wou	ald you like? Plane 1		
Primary Refs No	npatent Literature	Kmark; Other	
Secondary Refs For Teaching Refs	reign Patents		
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or tills scarcing	structures strategies and	y, or other specific facets defined by the synonyms, keywords, across anything else that helps to describe claims.	
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572	Hilani Rusily	Carl Martin Company of the Company of the Company	

[File 2] INSPEC 1898-2005/Oct W5

Set	Items	Description
s1	3719	S BGA? ? OR BALL()GRID()ARRAY???
S2	377026	S NOIS??? OR CROSSTALK???? OR DISTORTION
S3	132	S S1 AND S2
S4	80704	S (THERMAL??? OR HEAT??? OR TEMPERATURE? ?) (3N) CONDUCT?????
S 5	5	S S3 AND S4
S 6	10	S S3 AND SEMICONDUCTOR?
s7	125	S S3 AND PACKAG????
S8	120	S S7 AND PY<=2004
S9	10	S S6 NOT S5

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- [File 2] INSPEC 1898-2005/Oct W4
- [File 34] SciSearch(R) Cited Ref Sci 1990-2005/Oct W5
- [File 434] SciSearch(R) Cited Ref Sci 1974-1989/Dec
- [File 94] JICST-EPlus 1985-2005/Aug W4
- [File 99] Wilson Appl. Sci & Tech Abs 1983-2005/Oct
- [File 344] Chinese Patents Abs Aug 1985-2005/May
- [File 347] JAPIO Nov 1976-2005/Jul(Updated 051102)
- [File 350] Derwent WPIX 1963-2005/UD,UM &UP=200570
- [File 371] French Patents 1961-2002/BOPI 200209
- [File 23] CSA Technology Research Database 1963-2005/Oct
- [File 95] TEME-Technology & Management 1989-2005/Sep W4
- [File 68] Solid State & Superconductivity Abstracts 1966-2005/Oct
- [File 60] ANTE: Abstracts in New Tech & Engineer 1966-2005/Oct
- [File 293] Engineered Materials Abstracts 1966-2005/Oct

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S44

S45

S S25 NOT (S21 OR S22)

```
Set
       Items
               Description
               S (WRAP???? OR PACKET???? OR PACKAG????) (3N) (SUBSTRATE? ? OR MATERIAL? ? OR
     121638
S1
SUBSTANCE? ? OR STRATUM OR SUPPORT OR SEMICONDUCTOR? ?)
              S (DIELECTRIC? ? OR NONCONDUCT???? OR NON()CONDUCT????) (3N) (FILM??? OR COAT????
      176817
OR COVER ???? OR SHEET ???? OR LAMINA ???? OR LAYER ???)
       152987 S (ELECTRICAL??? OR CONDUCT?????) (3N) (LINE? ? OR PATH? ? OR TRACE? ? OR VIA? ? OR
83
PATHWAY? ? OR PATH()WAY? ? OR CHANNEL???? OR PASSAGE? ?)
      447130 S (CONDUCT????? OR ELECTRICAL??) (3N) (FILM??? OR COAT???? OR COVER???? OR
SHEET???? OR LAMINA???? OR LAYER????)
       15190 S ISOLAT???(3N)(SLOT? ? OR APERTURE? ? OR CAVIT???? OR GAP? ? OR SPACE? ? OR
OPEN????? OR HOLE? ? OR PORT? ?)
      9233485 S SEGMENT????? OR PART? ? OR AREA? ? OR SECTOR????
56
        51573 S HIGH()FREQUENC????(3N)(NOISE? ? OR TRANSIENT? ? OR SIGNAL? ? OR SPIKE? ? OR
DISTURBANCE? ? OR CLATTER???? OR ACOUSTIC? ? OR AMPLITUDE? ? OR DISTORT?????)
       547291 S (STRUCTUR??? OR MATERIAL??? OR PHYSICAL OR MECHANICAL) (3N) (INTEGRITY OR
58
STIFFNESS OR STRENGTH OR RIGID???? OR FIRM??? OR NEWTON? ?()PER()(METER? ? OR METRE? ?))
       406017 S (THERMAL??? OR HEAT??? OR TEMPERATURE? ?)(3N)CONDUCT?????
       502675 S (VOLTAGE? ? OR POWER OR ENERGY OR GROUND) (3N) SOURCE? ?
S10
        99466 S IC=(H01L-023/495 OR H01L-023/52 OR H01L-021/44 OR H01L-021/48 OR H01L-021/50 OR
H01L-023/02 OR H01L-023/04 OR H01L-023/10 OR H01L-023/12 OR H01L-023/48)
        31204 S MC=(U11-D03B OR U11-D01A3 OR U11-D01A4 OR U11-D03B2 OR U11-D01A5 OR U11-D03A)
S12
        19504 S BGA? ? OR BALL()GRID()ARRAY? ? OR FBGA? ? OR FINE()PITCH()BALL()GRID()ARRAY? ?
OR EFBGA? ? OR EXTRA()FINE()PITCH()BALL()GRID()ARRAY? ?
                S SEGMENT????(3N)(VOLTAGE()PLANE??)
S14
            1
               S S1 AND S13 AND S2 AND S3 AND S4 AND S5
S15
               S S1 AND S13 AND S7 AND S8 AND S9
S16
               S S1 AND S13 AND S7
S17
           18
S18
                S S17 AND S8
               S S17 AND S9
            0
S19
S20
            ٥
               S S17 AND S5
S21
               S S17 AND S11
               S S17 AND S12
S22
S23
           23
               S S1 AND S13 AND S2 AND S3
               S S23 AND S7
S24
            0
S25
            1
                S S23 AND S8
S26
               S S23 AND S9
            3
S27
           17
               S S23 AND S11
S28
           14
                S S23 AND S12
               S S27 AND S5
S29
            0
S30
               S S27 AND S6
            3
                S S28 AND S6
S31
S32
           15
                S S13 AND S1 AND S10
               S S32 AND S5
S33
            0
S34
                S S32 AND S11
                S S32 AND S12
S35
               S S1 AND S13 AND S8
          100
536
S37
                S S36 AND S7
                S S36 AND S9
            3
S38
S39
           36
                S S36 AND S11
           22
               S S39 AND S12
S40
                S S40 AND S10
S41
            O
                S S40 AND S2
S42
               S S40 AND S5
S43
            0
                S S22 NOT S21
```

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S46	3	S26 NOT (S21 OR S22 OR S25)	
S47	1	S30 NOT (S21 OR S22 OR S25 OR S26)	
S48	2	S31 NOT (S21 OR S22 OR S25 OR S26 OR S30)	
S49	6	S34 NOT (S21 OR S22 OR S25 OR S26 OR S30 OR S31)	
S50	2	S35 NOT (S21 OR S22 OR S25 OR S26 OR S30 OR S31 OR S34)	
S51	3	S38 NOT (S21 OR S22 OR S25 OR S26 OR S30 OR S31 OR S34 OR S35)	
S52	1	S42 NOT (S21 OR S22 OR S25 OR S26 OR S30 OR S31 OR S34 OR S35 OR S38)

[File 342] Derwent Patents Citation Indx 1978-05/200569

s pn=us 6268650

S1 1 S PN=US 6268650

map pn/ct=

SearchSave "SC117" stored

1 Select Statement, 1 Search Term(s)
SearchSave SC117

1 SearchSave(s), 1 Search Term(s)

map pn

SearchSave "SC118" stored
3 Select Statements, 22 Search Term(s)
SearchSave SC118

1 SearchSave(s), 22 Search Term(s)

[File 344] Chinese Patents Abs Aug 1985-2005/May [File 347] JAPIO Nov 1976-2005/Jul(Updated 051102) [File 350] Derwent WPIX 1963-2005/UD, UM &UP=200570

Set Items Description S1 8 S1:S2 11/4/2005 11:40:25 AM

[File 342] Derwent Patents Citation Indx 1978-05/200569

pn=us 6300165

S1 1 S PN=US 6300165

map pn/ct=

SearchSave "SC119" stored
1 Select Statement, 7 Search Term(s)
SearchSave SC119

1 SearchSave(s), 7 Search Term(s)

map pn

SearchSave "SC120" stored
6 Select Statements, 57 Search Term(s)
SearchSave SC120

1 SearchSave(s), 57 Search Term(s)

Set	Items	Description	
S1	22	S1:S5 FROM 344, 347, 350	
S2	7	S S1 AND (BGA? ? OR BALL()GRID()ARRAY	`)

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[File 342] Derwent Patents Citation Indx 1978-05/200569

s pn=us 5895967

S1 1 S PN=US 5895967

map pn/ct=

SearchSave "SC121" stored
1 Select Statement, 1 Search Term(s)
SearchSave SC121

1 SearchSave(s), 1 Search Term(s)

map pn

Processing MAP

SearchSave "SC122" stored
7 Select Statements, 68 Search Term(s)
SearchSave SC122

1 SearchSave(s), 68 Search Term(s)

Set	Items	Description
S1	35	S1:S6 FROM 344, 347, 350
S2	16	S S1 AND (BGA? ? OR BALL()GRID()ARRAY? ?)
S 3	1	S S2 AND DIELECTRIC???
S4	14	S S2 AND PACKAG????
S 5	0	S S4 AND SLOT? ?
S6	4	S S4 AND (STIFFNESS OR THERMAL()CONDUCTIVI???????
OR NOIS	E? ?)	

[File 342] Derwent Patents Citation Indx 1978-05/200569

s pn=us 6534861

S1 1 S PN=US 6534861

map pn/ct=

SearchSave "SC123" stored
1 Select Statement, 7 Search Term(s)
SearchSave SC123

1 SearchSave(s), 7 Search Term(s)

map pn

SearchSave "SC124" stored
6 Select Statements, 57 Search Term(s)
SearchSave SC124

1 SearchSave(s), 57 Search Term(s)

Set	Items	Description	
S1	22	S1:S5	
S2 .	7	S S1 AND (BGA? ? OR BALL()GRID()ARRAY? ?)

[File 342] Derwent Patents Citation Indx 1978-05/200569

s pn=**us** 6268650

S1 1 S PN=US 6268650

map pn/ct=

SearchSave "SC117" stored
1 Select Statement, 1 Search Term(s)
SearchSave SC117

1 SearchSave(s), 1 Search Term(s)

map pn

SearchSave "SC118" stored
3 Select Statements, 22 Search Term(s)
SearchSave SC118

1 SearchSave(s), 22 Search Term(s)

[File 344] Chinese Patents Abs Aug 1985-2005/May [File 347] JAPIO Nov 1976-2005/Jul(Updated 051102) [File 350] Derwent WPIX 1963-2005/UD,UM &UP=200570

Set Items Description S1 8 S1:S2 11/4/2005 11:40:25 AM

[File 342] Derwent Patents Citation Indx 1978-05/200569

pn=**us** 6300165

S1 1 S PN=US 6300165

map pn/ct=

SearchSave "SC119" stored
1 Select Statement, 7 Search Term(s)
SearchSave SC119

1 SearchSave(s), 7 Search Term(s)

map pn

SearchSave "SC120" stored
6 Select Statements, 57 Search Term(s)
SearchSave SC120

1 SearchSave(s), 57 Search Term(s)

Set	Items	Description
S1	22	S1:S5 FROM 344, 347, 350
S2	7	S S1 AND (BGA? ? OR BALL()GRID()ARRAY)

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[File 342] Derwent Patents Citation Indx 1978-05/200569

s pn=**us** 5895967

S1 1 S.PN=US 5895967

map pn/ct=

SearchSave "SC121" stored
1 Select Statement, 1 Search Term(s)
SearchSave SC121

1 SearchSave(s), 1 Search Term(s)

map pn

Processing MAP

SearchSave "SC122" stored
7 Select Statements, 68 Search Term(s)
SearchSave SC122

1 SearchSave(s), 68 Search Term(s)

[File 344] Chinese Patents Abs Aug 1985-2005/May

[File 347] JAPIO Nov 1976-2005/Jul(Updated 051102)

[File 350] Derwent WPIX 1963-2005/UD,UM &UP=200570

Set	Items	Description
S1	35	S1:S6 FROM 344, 347, 350
S2	16	S S1 AND (BGA? ? OR BALL()GRID()ARRAY? ?)
S3	1	S S2 AND DIELECTRIC???
S 4	14	S S2 AND PACKAG????
S 5	0	S S4 AND SLOT? ?
		·
·\$6	4	S S4 AND (STIFFNESS OR THERMAL()CONDUCTIVI??????
OR NO	ISE? ?)	

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[File 342] Derwent Patents Citation Indx 1978-05/200569

s pn=us 6534861

S1 1 S PN=US 6534861

map pn/ct=

SearchSave "SC123" stored
1 Select Statement, 7 Search Term(s)
SearchSave SC123

1 SearchSave(s), 7 Search Term(s)

map pn

SearchSave "SC124" stored
6 Select Statements, 57 Search Term(s)
SearchSave SC124

1 SearchSave(s), 57 Search Term(s)

Set	Items	Description	
S1	22	S1:S5	
S2	7	S S1 AND (BGA? ? OR BALL()GRID()ARRAY? ?)